



W1: Information Does Exist Beyond the First Page of Your Google® Search!

American Academy of Forensic Sciences
Las Vegas, NV (February 22, 2016)



Case Examples 2

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NIST Information Services Office



Case Examples: Identifying Expert Witnesses

I need to identify an expert witness in fiber identification for an upcoming murder trial. Who are some possible candidates?

I was given Rob Ogden as a forensics wildlife expert. How can I verify his expertise and ensure that he can be used as an expert witness in a criminal case involving wildlife poaching?

Web of Science – Begin Search

Basic Search

<input type="text" value="forensic*"/>		Topic	
AND 	<input type="text" value="fiber* or fibre*"/>		Topic 
AND 	<input type="text" value="Example: oil spill* mediterranean"/>		Topic 

[+ Add Another Field](#) | [Reset Form](#)

TIMESPAN

All years 

From  to 

- Determine key concepts – forensics AND fibers
- Truncate words to pick up variations, i.e., forensic, forensics
- Identify synonyms and combine using the “OR” connector

Web of Science – Analyze Results

Results: 582
(from Web of Science Core Collection)

You searched for: TOPIC: (forensic*) AND TOPIC: (fiber* or fibre*) ...More

Create Alert

Refine Results

Search within results for...

Web of Science Categories

- MEDICINE LEGAL (308)
- PATHOLOGY (105)
- CHEMISTRY ANALYTICAL (100)
- SPECTROSCOPY (56)
- BIOCHEMICAL RESEARCH METHODS (42)

more options / values... **Refine**

Sort by: **Publication Date -- newest to oldest**

Page 1 of 59

Select Page   Save to EndNote online Add to Marked List  **Analyze Results**
 Create Citation Report

1. **Capturing and displaying microscopic images used in medical diagnostics and forensic science using 4K video resolution - an application in higher education**
By: Maier, Hans; De Heer, Gert; Ortac, Ajda; et al.
JOURNAL OF MICROSCOPY Volume: 260 Issue: 2 Pages: 175-179 Published: NOV 2015
[Links](#) [Full Text from Publisher](#) [View Abstract](#) Times Cited: 0
(from Web of Science Core Collection)
Usage Count

2. **A microstructured capillary electrophoresis method for nitrocellulose detection in dynamite**
By: Calcerrada, Matias; Fernandez de la Ossa, Ma Angeles; Roy, Philippe; et al.
MICROCHEMICAL JOURNAL Volume: 123 Pages: 218-223 Published: NOV 2015
[Links](#) [View Abstract](#) Times Cited: 0
(from Web of Science Core Collection)
Usage Count

3. **Improved radiocarbon analyses of modern human hair to determine the year-of-death by cross-flow nanofiltered amino acids: common contaminants, implications for isotopic analysis, and recommendations**
By: Santos, Guaciara M.; De La Torre, Hector A. Martinez; Boudin, Mathieu; et al.
RAPID COMMUNICATIONS IN MASS SPECTROMETRY Volume: 29 Issue: 19 Pages: 1765-1773 Published: OCT 15 2015
[Links](#) [View Abstract](#) Times Cited: 0
(from Web of Science Core Collection)
Usage Count

Click on “Analyze Results” in the upper right

Web of Science – Analyze by Author

Results Analysis

[<<Back to previous page](#)

582 records. TOPIC: (forensic*) AND TOPIC: (fiber* or fibre*)

Rank the records by this field:	Set display options:	Sort by:
<div style="border: 1px solid gray; padding: 5px;"><div style="background-color: #0070C0; color: white; padding: 2px;">Authors</div><div style="padding: 2px;">Book Series Titles</div><div style="padding: 2px;">Conference Titles</div><div style="padding: 2px;">Countries/Territories</div></div>	Show the top <input style="width: 40px; text-align: center;" type="text" value="10"/> Results. Minimum record count (threshold): <input style="width: 60px; text-align: center;" type="text" value="2"/>	<input checked="" type="radio"/> Record count <input type="radio"/> Selected field

Analyze

- Select “Authors” from the list of fields by which papers can be ranked
- Choose display options to limit the top results (top 10, top 50, etc.)
- Click “Analyze” to view the authors with the most publications on forensics and fibers

Web of Science – Select Author

Results Analysis

[<<Back to previous page](#)

582 records. TOPIC: (forensic*) AND TOPIC: (fiber* or fibre*)

Rank the records by this field:	Set display options:	Sort by:
<div style="border: 1px solid gray; padding: 2px;"><p>Authors</p><p>Book Series Titles</p><p>Conference Titles</p><p>Countries/Territories</p></div>	Show the top <input type="text" value="10"/> Results. Minimum record count (threshold): <input type="text" value="2"/>	<input checked="" type="radio"/> Record count <input type="radio"/> Selected field

Analyze

Use the checkboxes below to view the records. You can choose to view those selected records, or you can exclude them (and view the others).

<input checked="" type="checkbox"/> View Records <input checked="" type="checkbox"/> Exclude Records	Field: Authors	Record Count	% of 582	Bar Chart	Save Analysis Data to File
<input type="checkbox"/>	GRIEVE MC	20	3.436 %	■	<input checked="" type="radio"/> Data rows displayed in table <input type="radio"/> All data rows (up to 200,000)
<input type="checkbox"/>	ROUX C	16	2.749 %	■	
<input type="checkbox"/>	CAUSIN V	12	2.062 %	■	
<input type="checkbox"/>	DE WAEL K	12	2.062 %	■	
<input type="checkbox"/>	ROBERTSON J	10	1.718 %	■	
<input type="checkbox"/>	MARIGO A	9	1.546 %	■	
<input type="checkbox"/>	WAS-GUBALA J	9	1.546 %	■	
<input type="checkbox"/>	MAREGA C	8	1.375 %	■	
<input type="checkbox"/>	PALMER R	8	1.375 %	■	
<input type="checkbox"/>	WIGGINS KG	8	1.375 %	■	

Select the author(s) with the most papers

Web of Science – Scan Search Results

Results: 20
(from Web of Science Core Collection)

You searched for: TOPIC: (forensic*) AND TOPIC: (fiber* or fibre*) ...More

Create Alert

Sort by: Publication Date -- newest to oldest

Page 1 of 2

Select Page | Save to EndNote online | Add to Marked List

Analyze Results
Create Citation Report

Times Cited: 11
(from Web of Science Core Collection)

Usage Count

Refine Results

Search within results for...

Web of Science Categories

- MEDICINE LEGAL (20)
- PATHOLOGY (14)

more options / values... Refine

Document Types

- ARTICLE (16)
- EDITORIAL MATERIAL (2)
- PROCEEDINGS PAPER (1)
- MEETING ABSTRACT (1)

1. **The individuality of fibres used to provide forensic evidence - not all blue polyesters are the same**
By: Grieve, MC; Biermann, TW; Schaub, K
SCIENCE & JUSTICE Volume: 45 Issue: 1 Pages: 13-28 Published: JAN-MAR 2005
Links View Abstract

2. **The individuality of blue polyester fibers used to provide forensic evidence**
By: Grieve, MC; Biermann, TW
Conference: 3rd European-Academy-of-Forensic-Science Meeting Location: ISTANBUL, TURKEY Date: SEP 22-27, 2003
Sponsor(s): European Acad Forens Sci; Istanbul Univ, Inst Forens Sci
FORENSIC SCIENCE INTERNATIONAL Volume: 136 Supplement: 1 Pages: 121-122 Published: SEP 2003
Links

3. **The occurrence and individuality of orange and green cotton fibres**
By: Grieve, MC; Biermann, T; Davignon, M
SCIENCE & JUSTICE Volume: 43 Issue: 1 Pages: 5-22 Published: JAN-MAR 2003
Links

4. **Black cellulosic fibres - a "bete noire"?**
By: Grieve, MC; Deck, S
SCIENCE & JUSTICE Volume: 42 Issue: 2 Pages: 81-88 Published: APR-JUN 2002

Times Cited: 0
(from Web of Science Core Collection)

Usage Count

Times Cited: 11
(from Web of Science Core Collection)

Usage Count

Times Cited: 5
(from Web of Science Core Collection)

- Scan search results to ensure papers are on target
- Note the times cited for each paper
- Select a paper to learn more about the authors' affiliations

Web of Science – Check Address Field

The individuality of **fibres** used to provide **forensic** evidence - not all blue polyesters are the same

By: **Grieve, MC** (Grieve, MC); Biermann, TW (Biermann, TW); Schaub, K (Schaub, K)

SCIENCE & JUSTICE

Volume: 45 Issue: 1 Pages: 13-28

DOI: 10.1016/S1355-0306(05)71616-6

Published: JAN-MAR 2005

[View Journal Information](#)

Abstract

Fibres used in **forensic** casework suffer from a disadvantage common to other forms of trace evidence - it is not possible to state with absolute certainty that they originate from a specific source. Target **fibre** studies, population studies and research on 'blocks of colour' have effectively demonstrated the polymorphism of textile **fibres** (particularly man-made ones) and have shown that when a **fibre** is believed to have a specific putative source, the chance that it has originated from a different source purely by coincidence is extremely remote. A study by Houck MM (Houck MM, Inter-comparison of unrelated **fibre** evidence. **Forensic Science International** 2003; 135: 146-149) has shown that no coincidental matching **fibres** were recovered from items of clothing examined in 20 unrelated crimes. The study involved over two million comparisons. This work goes a step further, and using the example of blue polyester **fibres** shows that even within a very narrow segment of the whole general **fibre** population, many examples of a specific colour/type of man-made **fibre** taken from random sources can be compared and the chance of any two being the same is very low. These studies should help to show the specificity and value of transferred **fibres** in providing **forensic** evidence.

Keywords

Author Keywords: **forensic** science; **fibres**; polyester; blocks of colour; individualization; frequency

KeyWords Plus: BLACK COTTON **FIBERS**; TARGET **FIBER**; TEXTILE **FIBERS**; CAR SEATS; POPULATION; RED

Author Information

Reprint Address: Biermann, TW (reprint author)

Forens Sci Inst, D-65193 Wiesbaden, Germany.

Addresses:

[1] Forens Sci Inst, D-65193 Wiesbaden, Germany



Citation Network

11 Times Cited

30 Cited References

[View Related Records](#)

[View Citation Map](#)

[Create Citation Alert](#)

(data from Web of Science™ Core Collection)

All Times Cited Counts

11 in All Databases

11 in Web of Science Core Collection

2 in BIOSIS Citation Index

0 in Chinese Science Citation Database

0 in Data Citation Index

0 in Russian Science Citation Index

0 in SciELO Citation Index

Usage Count

Last 180 Days: 7

Since 2013: 22

[Learn more](#)

Most Recent Citation

Vooijs, Cees. Towards source level evaluation of the evidential value of fibre
... FORENSIC SCIENCE

Is this the address of a reputable organization?

Case Examples: Identifying Expert Witnesses

I was given Rob Ogden as a forensics wildlife expert. How can I verify his expertise and ensure that he can be used as an expert witness in a criminal case involving poaching?

Google Scholar



Rob Ogden

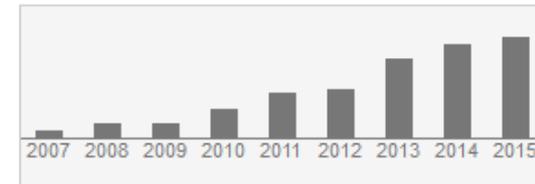


TRACE Wildlife Forensics Network, Royal Zoological Society of Scotland
[Wildlife Forensics and Conservation genetics](#)
Verified email at tracenetwork.org - [Homepage](#)

Google Scholar

Citation indices	All	Since 2010
Citations	1611	1385
h-index	22	21
i10-index	33	32

Title	1-20	Cited by	Year
Molecular evidence for ecological speciation in tropical habitats R Ogden, RS Thorpe Proceedings of the National Academy of Sciences 99 (21), 13612-13615		178	2002
Validation of the barcoding gene COI for use in forensic genetic species identification N Dawnay, R Ogden, R McEwing, GR Carvalho, RS Thorpe Forensic Science International 173 (1), 1-6		172	2007
Application of SNPs for population genetics of nonmodel organisms: new opportunities and challenges SJ Helyar, J Hemmer-Hansen, D Bekkevold, MI Taylor, R Ogden, ... Molecular Ecology Resources 11 (s1), 123-136		163	2011
Genomic signatures of local directional selection in a high gene flow marine organism; the Atlantic cod (<i>Gadus morhua</i>) EE Nielsen, J Hemmer-Hansen, NA Poulsen, V Loeschcke, T Moen, ... BMC Evolutionary Biology 9 (1), 276		128	2009



- Papers ranked by times cited (screen shot lists only 4 of 70 papers); scroll down the list to find current papers with fewer cites
- Citation data includes citation counts and h-index

Web of Science – Begin Search

Basic Search 

ogden r*

Author 

 Select from Index

AND 

wildlife forensic*

Topic 

Search

[+ Add Another Field](#) | [Reset Form](#)

TIMESPAN

All years 

From  to 

- Truncate author's name to pick up full name or first/middle initials
- Adding key concepts will limit search to the right R. Ogden

Web of Science – Search Results

Results: 8
(from Web of Science Core Collection)

View Distinct Author Record Sets for:
ogden r*

You searched for: AUTHOR:
(ogden r*) AND TOPIC: (wildlife
forensic*) ...More

Create Alert

Sort by: Publication Date -- newest to oldest

Page 1

Select Page | Save to EndNote online | Add to Marked List

1. **Wildlife forensic science: A review of genetic geographic origin assignment**
By: Ogden, Rob; Linacre, Adrian
FORENSIC SCIENCE INTERNATIONAL-GENETICS Volume: 18 Pages: 152-159 Published: SEP 2015
Links | View Abstract

2. **Sturgeon conservation genomics: SNP discovery and validation using RAD sequencing**
By: Ogden, R.; Gharbi, K.; Mugue, N.; et al.
MOLECULAR ECOLOGY Volume: 22 Issue: 11 Special Issue: SI Pages: 3112-3123 Published: JUN 2013
Links | View Abstract

3. **Unlocking the potential of genomic technologies for wildlife forensics**
By: Ogden, Rob
MOLECULAR ECOLOGY RESOURCES Volume: 11 Supplement: 1 Pages: 109-116 Published: MAR 2011
Links | View Abstract

4. **Forensic science, genetics and wildlife biology: getting the right mix for a wildlife DNA forensics lab**
By: Ogden, Rob
FORENSIC SCIENCE MEDICINE AND PATHOLOGY Volume: 6 Issue: 3 Pages: 172-179 Published: SEP

Analyze | Create Citation

Times Cited: 0
(from Web of Science Collection)

Usage Count

Times Cited: 17
(from Web of Science Collection)

Usage Count

Times Cited: 20
(from Web of Science Collection)

Usage Count

Times Cited: 11
(from Web of Science Collection)

Usage Count

Refine Results

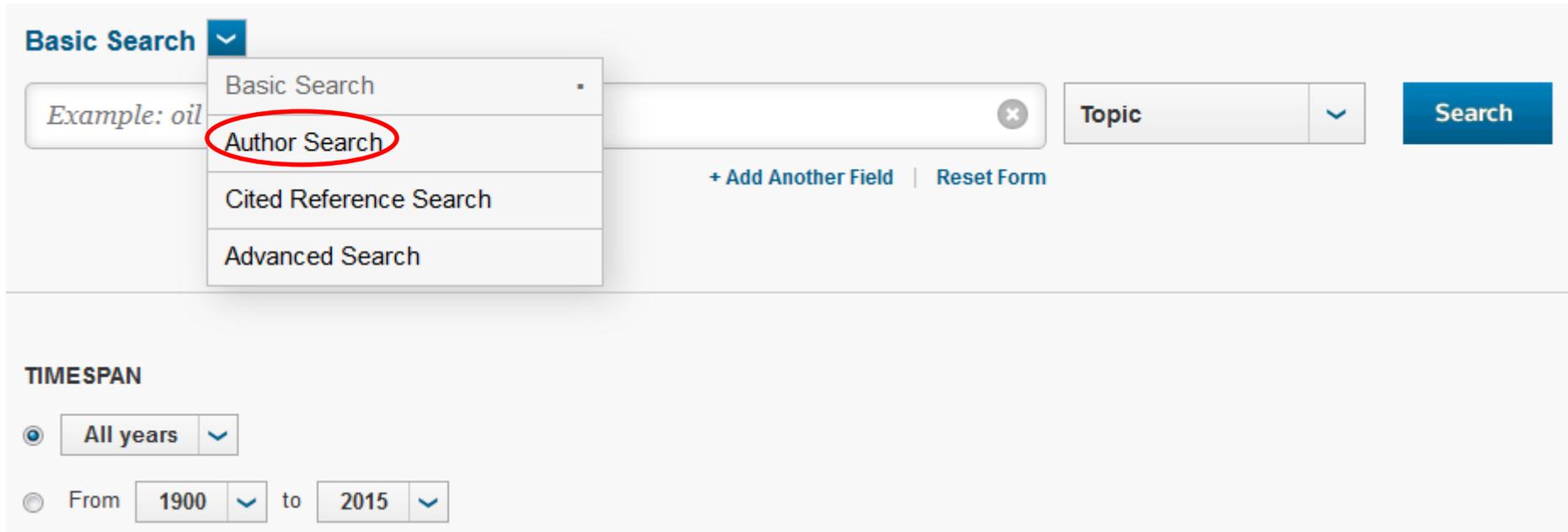
Search within results for...

Web of Science Categories

- MEDICINE LEGAL (5)
- GENETICS HEREDITY (3)
- EVOLUTIONARY BIOLOGY (2)
- ECOLOGY (2)
- BIOCHEMISTRY MOLECULAR BIOLOGY (2)

- Note yellow highlighted search terms in search results
- Note citation counts of individual papers
- Only eight papers, are there more?

Web of Science – Begin Author Search



The screenshot shows the Web of Science search interface. At the top left, there is a dropdown menu labeled "Basic Search" with a blue downward arrow. The dropdown menu is open, showing four options: "Basic Search", "Author Search" (which is circled in red), "Cited Reference Search", and "Advanced Search". To the right of the dropdown menu is a search input field containing the text "Example: oil". To the right of the input field is a "Topic" dropdown menu and a blue "Search" button. Below the search input field, there are two links: "+ Add Another Field" and "Reset Form".

TIMESPAN

All years

From 1900 to 2015

What if Ogden’s papers do not include the words “wildlife” and “forensics”? An author search can demonstrate the breadth of his work and find additional papers.

Select Author Search from the drop-down box next to “Basic Search.” This will begin the process of identifying the correct author.

Web of Science – Enter Author Name

Author Search 

Enter Author Name Select Research Domain Select Organization

Last Name / Family Name (Required) Initial(s) (Up to 4 allowed)

ogden r*| Exact Matches Only 

[+ Add Author Name Variant](#) | [Reset Form](#)

 [Select Research Domain ▶](#) [Finish Search](#)

- Enter the full last name
- Abbreviate first name to pick up first and middle name variations, i.e., Robert, Rob, R, etc.
- Click on “Select Research Domain”

Web of Science – Select Research Domain

Author Search

Enter Author Name

Select Research Domain

Select Organization

Current selection(s): ogden r** (619)

Previous

Select Organization

Finish Search

Select the research domains associated with the author (optional)

Research Domain	Record Count
<input type="checkbox"/> All Research Domains	619
<input checked="" type="checkbox"/> LIFE SCIENCES BIOMEDICINE	267
<input type="checkbox"/> PHYSICAL SCIENCES	160
<input type="checkbox"/> SOCIAL SCIENCES	70
<input type="checkbox"/> TECHNOLOGY	211

Previous

Select Organization

Finish Search

- Check the appropriate box(es) to indicate the author's research domain
- Click on "Select Organization" if the author's organization is known
- Click on "Finish Search" if the author's organization is unknown

Web of Science – Refine Results

Author Search Results: 297 Records | **114 Record Sets**

You searched for: AU=(ogden r**) AND (SH=(LIFE SCIENCES BIOMEDICINE) OR WC=(Multidisciplinary Sciences)) ...More

 Create Alert

Refine Results

Search within results for...



Web of Science Categories

- NEUROSCIENCES (58)
- PSYCHIATRY (36)
- AGRICULTURE DAIRY ANIMAL SCIENCE (32)
- MULTIDISCIPLINARY SCIENCES (30)
- RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING (27)

[more options / values...](#)

Sort by: Publication Date -- newest to oldest

Select Page



Save to EndNote online

Add to Marked List

1. **Population structure and dispersal patterns in Scottish Golden Eagles *Aquila chrysaetos* revealed by molecular genetic analysis of territorial birds**

By: **Ogden, Rob**; Heap, Elizabeth; McEwing, Ross; et al.
IBIS Volume: 157 Issue: 4 Pages: 837-848 Published: OCT 2015

[→ Links](#)

[View Abstract](#)

2. **Wildlife forensic science: A review of genetic geographic origin assignment**

By: **Ogden, Rob**; Linacre, Adrian
FORENSIC SCIENCE INTERNATIONAL-GENETICS Volume: 18 Pages: 152-159 Published: SEP 2015

[→ Links](#)

[View Abstract](#)

Several choices if organization is unknown:

- Use filters to exclude (or include) subject disciplines
- Scan 114 author record sets

Web of Science – Scan Record Sets

Author Search Results: 297 Records | 114 Record Sets

You searched for: AU=(ogden r**) AND (SH=(LIFE SCIENCES BIOMEDICINE) OR WC=(Multidisciplinary Sciences)) ...More

Record Sets Last Updated: December 15, 2015

◀ Pa

Records grouped together are likely written by the same person. ([Tell me more.](#))

If your papers appear in multiple record sets use the I wrote these publications button to add them to your publication list in ResearcherID and have them grouped together.

↓

[→ View Records](#) [Add to ResearcherID - I wrote these](#) [Clear All](#)

	Author Names	Last Known Organization ⓘ	Research Areas ←	Publication Years
1. <input type="checkbox"/>	<p>OGDEN RW</p> <p>Also published as:</p> <p>OGDEN R W</p> <p>OGDEN RAY W</p> <p>OGDEN RAYMOND W</p> <p>OGDEN RA</p> <p>Researcher ID: B-3906-2008</p> <p>View profile at ResearcherID.com</p>	University of Glasgow ←	MECHANICS (107) MATHEMATICS (64) MATERIALS SCIENCE (48) ENGINEERING (44) PHYSICS (21)	1970 - 2015

Records: 200

[A Sampling of Publications by this Author:](#) ←

- Even with over 100 record sets it is easy to scan for the correct author
- Look for many clues – correct initials, research areas, publication years
- View sampling of author's publications if still unsure

Questions?



Contact:

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